UTILITY PATENT APPLICATION TRANSMITTAL (Larg Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No. 6192.0352.US

Total Pages in this Submission

PTO

TO THE COMMISSIONER FOR PATENTS

Mail Stop Patent Application P.O. Box 1450 Alexandria, VA 22313-1450

invention entitled:	C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for 30					
ETCHANT FOR SIGNAL WIRE AND MI PANEL USING ETCHANT	ETHOD OF MANUFACTURING THIN FILM TRANSISTOR ARRAY					
and invented by: [Hong-Sick PARK						
Hong-Je CHO Sung-Chul KANG Pong-Ok PARK An-Na PARK						
If a CONTINUATION APPLICATION, chec	k appropriate box and supply the requisite information:					
	Continuation-in-part (CIP) of prior application No.:					
Which is a:	Ocation the most (OID) of prior amplication No.					
☐ Continuation ☐ Divisional ☐ Which is a:	Continuation-in-part (CIP) of prior application No.:					
☐ Continuation ☐ Divisional ☐	Continuation-in-part (CIP) of prior application No.:					
Enclosed are:	Application Elements					
Filing fee as calculated and tran	ismitted as described below					
2. Specification having	pages and including the following:					
a. 🗵 Descriptive Title of the Inve	ention					
b. 🗵 Cross References to Relat	b. Cross References to Related Applications (if applicable)					
c. Statement Regarding Federally-sponsored Research/Development (if applicable)						
d. Reference to Sequence Li	d. Reference to Sequence Listing, a Table, or a Computer Program Listing Appendix					
e. 🗵 Background of the Invention	e. 🗵 Background of the Invention					
f. Brief Summary of the Inve	Brief Summary of the Invention					
g. 🛛 Brief Description of the Dra	Brief Description of the Drawings (if filed)					
h. 🛛 Detailed Description	Detailed Description					
i. 🛛 Claim(s) as Classified Belo	ow .					
j. 🛛 Abstract of the Disclosure						

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	Application Elements (C ntinued)							
3.	X	Drawing(s) (when necessary as prescribed by 35 USC 113)						
	. а .	☐ Formal Number of Sheets 42						
	b.	☐ Informal Number of Sheets						
4.	\boxtimes	Oath or Declaration						
	a.	☑ Newly executed (original or copy) ☐ Unexecuted						
•	b.	☐ Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional application only)						
	C.	☐ With Power of Attorney ☑ Without Power of Attorney						
	d.	DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. 1.63(d)(2) and 1.33(b).						
5.		Incorporation By Reference (usable if Box 4b is checked) The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.						
6.		CD ROM or CD-R in duplicate, large table or Computer Program (Appendix)						
7.		Application Data Sheet (See 37 CFR 1.76)						
8.		Nucleotide and/or Amino Acid Sequence Submission (if applicable, all must be included)						
	a.	☐ Computer Readable Form (CRF)						
	b.	Specification Sequence Listing on:						
		i. D CD-ROM or CD-R (2 copies); or						
		ii. 🔲 Paper						
	C.	Statement(s) Verifying Identical Paper and Computer Readable Copy						
	Accompanying Application Parts							
9.	\boxtimes	Assignment Papers (cover sheet & document(s))						
10.		37 CFR 3.73(B) Statement (when there is an assignee)						
11.		English Translation Document (if applicable)						
12.		Information Disclosure Statement/PTO-1449 Copies of IDS Citations						
13.		Preliminary Amendment						
14.	\boxtimes	Return Receipt Postcard (MPEP 503) (Should be specifically itemized)						
15.		Certified Copy of Priority Document(s) (if foreign priority is claimed)						
16.		Certificate of Mailing						
		☐ First Class ☐ Express Mail (Specify Label No.): HAND DELIVERED						

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Total Pages in this Submission

•	Accompanying Application Parts (C ntinued)
17.	Additional Enclosures (please identify below):
	Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)
18.	Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.
	Warning
	An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

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Total Pages in this Submission

Fee Calculation and Transmittal

CLAIMS AS FILED						
For	#Filed	#Allowed	#Extra		Rate	Fee
Total Claims	25	- 20 =	5	x	\$18.00	\$90.00
Indep. Claims	4	- 3 =	1	x	\$86.00	\$86.00
Multipl Dependent Claims (check if applicable)				\$0.00		
					BASIC FE	\$770.00
OTHER FEE (spec	cify purpose)					\$0.00
,					TOTAL FILING FE	E \$946.00

to cover the filing fee is enclosed.

\boxtimes	The Dir	ector is hereby authorized to	charge and credit Deposit Account No.	23-1951		
	as desc	cribed below.				
		Charge the amount of	as filing fee.			
	\boxtimes	Credit any overpayment.				
	\boxtimes	Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.				
		Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance,				
		pursuant to 37 C.F.R. 1.311	(b).	0		

\$946.00

Hae-Chan Park, Reg. No. 50,114

McGuireWoods LLP

1750 Tysons Boulevard, Suite 1800

McLean, VA 22102

Telephone No. 703-712-5365 Facsimile No. 703-712-5280

CC:

A check in the amount of

Dated: February 6, 2004



Hae-Chan Park McGUIREWOODS

hpark@mcguirewoods.com Direct Fax: 703.712.5280

February 6, 2004

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

RE:

Application No. Unassigned

Filed: February 6, 2004

ETCHANT FOR SIGNAL WIRE AND METHOD OF MANUFACTURING THIN

FILM TRANSISTOR ARRAY PANEL USING ETCHANT

Inventor: Hong-Sick PARK, et al.

Our Ref: 6192.0352.US

Sir:

The following documents are forwarded herewith for appropriate action by the U.S. Patent and Trademark Office:

- 1. A Transmittal Letter:
- 2. A Utility Patent Application Transmittal Form;
- 3. A Specification containing 32 pages and 42 sheets of drawings (Figs. 1, 2, 3, 4, 5, 6A, 6B, 7A, 7B, 8A, 8B, 9A, 9B, 10, 11, 12, 13A, 13B, 13C, 14A, 14B, 15A, 15B, 15C, 16A, 16B, 17A, 17B, 18A, 18B, 19A, 19B, 19C, 20, 21, 22A, 22B, 23A, 23B, 24A, 24B, 25A, and 25B);
- 4. An executed Declaration and Power of Attorney,
- 5. A Form PTO-1595 Recordation Cover Sheet and a copy of the executed Assignment to Samsung Electronics Co., Ltd., a recordation of which is hereby respectfully requested;
- 6. Claim of Priority to: Korean Patent Application No. 2003-0034007 filed May 28, 2003;
- 7. Our check no. 155272 in the amount of \$946.00 to cover the filing fee and our check no. 155274 in the amount of \$40.00 to cover the assignment recordation fee; and
- 8. Two acknowledgement postcards.

It is respectfully requested that the attached copy of the postcard be stamped with the filing date of these documents and returned to our courier.

U.S. Patent & Trademark Office February 6, 2004
Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 23-1951 referencing docket number 6192.0352.US.

Respectfully submitted,

Hae-Chan Park

Reg. No. 50,114

HCP/tmk Enclosures